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RECORDATION FORM COVER SHEET

PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Eiko Hibino (07/28/2003), Hajime Yuzurihara
(07/28/2003), Hiroshi Deguchi (07/28/2003), Hiroshi
Miura (07/29/2003), and Mikiko Abe (07/29/2003)Additional name(s) of conveying party(ies)
attached?☐ Yes☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: July 29, 2003

2. Name and address of receiving party(ies)

Name: Ricoh Company, Ltd.

Internal Address:

Street Address:

3-6, Nakamagome 1-chome
Ohta-ku, Tokyo 143-8555
Japan

City:

Country:

Zip:

Additional name(s) &
address(es) attached:☐ Yes☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is:

A. Patent Application No.(s):

10/622,658

B. Patent No.(s):

Additional numbers attached?

☐ Yes☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: Mark J. Thronson

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP

Internal Address: Atty. Dkt.: H6790.0002/P002

Street Address:
2101 L Street NWCity:
WashingtonState:
DCZip:
20037-15266. Total number of applications and
patents involved:

1

7. Total fee (37 CFR 3.41)

\$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account☒ Authorized to be charged to credit card
(Form 2038 enclosed)

8. Deposit account number:

04-1073

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark J. Thronson (33,082)

Name of Person Signing

Signature

September 9, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 4

09/10/2003 MNEKONEN 00000125 10622658

01 FC:8021

40.00 DP

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, by Eiko Hibino, Hajime Yuzurihara,
Hiroshi Deguchi, Hiroshi Miura, and Mikiko Abe,

(hereinafter referred to as "Assignors"),

residing at Kanagawa, Japan, Kanagawa, Japan, Kanagawa, Japan,

Kanagawa, Japan, and Kanagawa, Japan, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in PHASE CHANGE OPTICAL RECORDING MEDIUM set forth in a patent application for Letters Patent of the United States, executed concurrently herewith; and

WHEREAS, Ricoh Company, Ltd. (hereinafter referred to as "Assignee"), having offices at 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, Japan, is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to

Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document: Edward A. Meilman, Reg. No. 24,735, Gary M. Hoffman, Reg. No. 26,411, Steven I. Weisburd, Reg. No. 27,409, Thomas J. D'Amico, Reg. No. 28,371, Donald A. Gregory, Reg. No. 28,954, Stephen A. Soffen, Reg. No. 31,063, James W. Brady, Jr., Reg. No. 32,115, Jon D. Grossman, Reg. No. 32,699, Mark J. Thronson, Reg. No. 33,082, Michael J. Scheer, Reg. No. 34,425, and Eric Oliver, Reg. No. 35,307, of Dickstein Shapiro Morin & Oshinsky LLP.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Assignors:

Eiko Hibino
Eiko Hibino

Date: July 28, 2003

Hajime Yuzurihara
Hajime Yuzurihara

Date: July 28, 2003

Hiroshi Deguchi
Hiroshi Deguchi

Date: July 28, 2003

Hiroshi Miura
Hiroshi Miura

Date: July 29, 2003

Mikiko Abe
Mikiko Abe

Date: July 29, 2003

Witnesses:

Kazunori Ito
Kazunori Ito

Date: July 28, 2003

Michiharu Abe
Michiharu Abe

Date: July ^{29 H.A.} ~~28~~, 2003



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

私は、以下に記名された発明者として、ここに下記の通り宣言する：

As a below named inventor, I hereby declare that:

私の住所、郵便の宛先として国籍は、私の氏名の後に記載された通りである。

My residence, post office address, and citizenship are as stated next to my name.

下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明主題に関して、私は、最初、最先且つ唯一の発明者である（唯一の氏名が記載されている場合）か、或いは最初、最先且つ共同発明者である（複数の氏名が記載されている場合）と信じている。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

PHASE CHANGE OPTICAL
RECORDING MEDIUM

上記発明の明細書はここに添付されているが、下記の欄がチェックされている場合は、この限りでない：

the specification of which is attached hereto unless the following box is checked:

の日に出版され、
この出版の米国出願番号またはPCT国際出願番号は、

was filed on _____
as United States Application Number or
PCT International Application Number

であり、且つ

and was amended on _____
(if applicable).

の口に補正された出版（該当する場合）

私は、上記の補正欄によって補正された、特許請求範囲を含む上記明細書を検討し、且つ内容を理解していることをここに表明する。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編規則1.56に定義されている、特許性について重要な情報を開示する義務があることを認める。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

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Japanese Language Declaration

(日本語宣言書)

私は、ここに、以下に記載した外国での特許出願または発明者証の出願、或いは米国以外の少なくとも一國を指定している米国法典第35編第365条(a)によるPCT国際出願について、同第119条(a)(d)項又は第365条(a)項に基づいて優先権を主張するとともに、優先権を主張する本出願の出願日より前の出願日を有する外国での特許出願または発明者証の出願、或いはPCT国際出願については、いかなる出願も、下記の枠内をチェックすることにより示した。

I hereby claim foreign priority under Title 35, United States Code Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365 (a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate, or PCT International application having a filing date before that of the application for which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

優先権を主張なし

外国での先行出願

2002-212313

(Number)

(番号)

Japan

(Country)

(国名)

22/July/2002

(Day/Month/Year Filed)

(出願日/月/年)

☐

(Number)

(番号)

(Country)

(国名)

(Day/Month/Year Filed)

(出願日/月/年)

☐

私は、ここに、下記はいかなる米国仮特許出願についても、その米国法典第35編第119条(e)項の利益を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)

(出願番号)

(Filing Date)

(出願日)

(Application No.)

(出願番号)

(Filing Date)

(出願日)

私は、ここに、下記のいかなる米国出願についても、その米国法典第35編第120条に基づく利益を主張し、又米国を指定するいかなるPCT国際出願についても、その同第365条(c)に基づく利益を主張する。また、本出願の各特許請求の範囲の主題が、米国法典第35編第112条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間中に入手された情報で、並列規則法典第37編規則1.56に定義された特許性に関わる重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application No.)

(出願番号)

(Filing Date)

(出願日)

(Status Patented, Pending, Abandoned)

(現況：特許許可、係属中、放棄)

(Application No.)

(出願番号)

(Filing Date)

(出願日)

(Status Patented, Pending, Abandoned)

(現況：特許許可、係属中、放棄)

私は、ここに表明された私自身の知識に基く陳述が真実であり、且つ情報と信ずることに基づく陳述が、真実であると信じられることを宣言し、さらに、故意に虚偽の陳述などを行った場合は、米国法典第18編第1001条に基づき、罰金または拘禁、若しくはその両方により処罰され、またそのような故意による虚偽の陳述は、本出願またはそれに対して発行されるいかなる特許も、その有効性に問題が生ずることを理解した上で陳述が行われたことを、ここに宣言する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Japanese Language Declaration

(日本語宣言書)

委任状：私は本出願を審査する手続を行い、且つ米国特許商標庁との全ての業務を遂行するために、記名された発明者として、下記の弁護士及び/または弁理士を任命する。(氏名及び登録番号を記載すること)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registration number).

See Attachment

書類送付先

Send Correspondence to:

Mark J. Thronson
Dickstein Shapiro Morin & Oshinsky LLP
2101 L Street, N.W.
Washington, D.C. 20037-1526

直通電話連絡先：(氏名及び電話番号)

Direct Telephone Calls to:
(name and telephone number)

Mark J. Thronson -- 202-775-4742

唯一または第一発明者氏名	Full name of sole or first inventor Eiko Hibino	
発明者の署名	日付	Inventor's signature Date Eiko Hibino July 28, 2003
住所	Residence Kanagawa, Japan	
国籍	Citizenship Japanese	
郵便の宛先	Post Office Address Promenade Nakamachidai 305, 5-7-4, Nakamachidai, Tsuzuki-ku, Yokohama-shi, Kanagawa, Japan	

第二共同発明者がある場合、その氏名	Full name of second joint inventor, if any Hajime Yuzurihara	
第二共同発明者の署名	日付	Second inventor's signature Date Hajime Yuzurihara July 28, 2003
住所	Residence Kanagawa, Japan	
国籍	Citizenship Japanese	
郵便の宛先	Post Office Address 899-1, Renshoji, Odawara-shi, Kanagawa, Japan	

(第三以下の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)

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		Full name of third joint inventor, if any	
		Hiroshi Deguchi	
発明者の署名	日付	Inventor's signature	Date
		<i>Hiroshi Deguchi</i>	<i>July 28 2003</i>
住所	Residence		
	Kanagawa, Japan		
国籍	Citizenship		
	Japanese		
郵便の宛先	Post Office Address		
	2-18-3-1102, Futaba-cho, Minami-ku, Yokohama-shi, Kanagawa, Japan		

		Full name of fourth joint inventor, if any	
		Hiroshi Miura	
発明者の署名	日付	Inventor's signature	Date
		<i>Hiroshi Miura</i>	<i>July 29 2003</i>
住所	Residence		
	Kanagawa, Japan		
国籍	Citizenship		
	Japanese		
郵便の宛先	Post Office Address		
	Midoriyama Ritz 201, 3-18-12, Edahigashi, Tsuzuki-ku, Yokohama-shi, Kanagawa, Japan		

		Full name of fifth joint inventor, if any	
		Mikiko Abe	
発明者の署名	日付	Inventor's signature	Date
		<i>Mikiko Abe</i>	<i>July 29 2003</i>
住所	Residence		
	Kanagawa, Japan		
国籍	Citizenship		
	Japanese		
郵便の宛先	Post Office Address		
	Kawasakidaishi Park Familia 403, 1-13-8, Fujisaki, Kawasaki-ku, Kawasaki-shi, Kanagawa, Japan		

		Full name of sixth joint inventor, if any	
		Inventor's signature	
発明者の署名	日付	Date	
住所	Residence		
国籍	Citizenship		
郵便の宛先	Post Office Address		

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ATTACHMENT

Edward A. Meilman, Reg. No. 24,735, Gary M. Hoffman, Reg. No. 26,411, Steven I. Weisburd, Reg. No. 27,409, Thomas J. D'Amico, Reg. No. 28,371, Donald A. Gregory, Reg. No. 28,954, Stephen A. Soffen, Reg. No. 31,063, James W. Brady, Jr., Reg. No. 32,115, Jon D. Grossman, Reg. No. 32,699, Mark J. Thronson, Reg. No. 33,082, Michael J. Scheer, Reg. No. 34,425, and Eric Oliver, Reg. No. 35,307, of Dickstein Shapiro Morin & Oshinsky LLP.